



Vehicle Dynamics

Learn the essential physics and math to advance to Traffic Crash Reconstruction.

COURSE CONTENT:

- **Newton's laws of motion**
- **Coefficient of friction and drag factor**
- **Introduction to basic motion equations: velocity, time, acceleration, and distance**
- **Momentum - collinear (inline)**
- **Time-Distance Analysis**
- **Physics & mathematics overviews**

Vehicle Dynamics introduces students to mathematical formulas and physics as they relate to traffic crash investigation and reconstruction. The course curriculum focuses on mechanics, the study of motion and forces, and the effects of such forces during a collision event.

The third course in our essential five-class series, Vehicle Dynamics is an introduction to basic mathematical procedures and the basic laws of physics necessary for those who wish to attend Traffic Crash Reconstruction 1 and Traffic Crash Reconstruction 2.

Our expert course instructors present Newton's Laws of Motion and the proper application of physics principles to equations of motion in order to solve for velocity, time, acceleration, and distances of travel. Following the presentation of these concepts, instruction continues to the discussion of vehicle braking, drag factors, and the coefficients of friction and time-distance analysis.

Register Now

EVERETT, WASHINGTON
July 17 - 21, 2023

COURSE SPONSOR:
Everett Police Department

COURSE LOCATION:
Snohomish County 911
1121 SE Everett Mall Way
Everett, WA 98208

TUITION
\$995 per person

REGISTRATION
Seats are limited.
Register or learn more at:
nucps.northwestern.edu/crashsequence

